

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.

facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



February, 2019

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.**

com/groups/eaars and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Gals on the Air!

EST. June 2015

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

2019 Events

Feb 16-17. 24 HOP ---

Mar 2. A Mtn Climb to Conquer Cancer --- Angie N7EMB

Apr 27. Tucson Ham Picnic - Angie 7NEMB, Chris N7JND, Don KD7UIZ

May 4. March for Babies --- Angie N7EMB

June 22-23. Field Day

Oct (/). Making Strides Against Breast Cancer --- Angie N7EMB

Nov 9. Alzheimer's Walk --- Angie N7EMB

Did you know that you can see the Public Service Opportunities on soazhamservice.net? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,

Off Season, every third Wednesday of month at 7:30 pm

Saturday:

ERC (Emergency Response Communications) Net -8:45 am ,

2nd Saturday of the month (20-25 min duration)

EAARS Officers and Staff

Board Officers

| | | |
|---------------------|----------------|-------|
| President | Dave Wells | N7AM |
| Vice President | Dan Quaintance | AF7EF |
| Secretary/Treasurer | Larry Griggs | N5BG |

Staff

| | | |
|-------------------|----------------|-------|
| Site Trustee | Joe Montierth | K7JEM |
| Net Manager | Chris Buchanan | N7JND |
| Newsletter Editor | Angie Buchanan | N7EMB |

Net Control Operators

| | |
|-------------|------------|
| Rick W8YBM | 1st Sunday |
| Angie N7EMB | 2nd Sunday |
| Mike W7IJ | 3rd Sunday |
| Chris N7JND | 4th Sunday |

EAARS Winter Field Day 2019

By Curt Laumann K7ZOO and Danual Quaintance AF7EF

During the weekend of Jan 26-27, a handful of club members used the EAARS bus, set up emergency-style communications on a high mesa just northwest of Safford, and participated in Winter Field Day 2019. One of the main purposes of these types of activities - along with having fun!! - is to practice various types of communications. The scoring of the contest is carefully structured to encourage many different modes. Check out this incredible variety of equipment and operating: BANDS: 160, 80, 40, 60, 20, 15, 10, 6, 2 meters, and 432 MHz. MODES: PSK-31, SSB, CW and FM, and satellite. ANTENNAS: HF multiband vertical, off-center fed dipole, 144/432 satellite yagi, 6 meter 2-element yagi, 135-foot doublet, 20-meter moxon. Attendees included: Rob Schmitt WB7QDQ, Dan Quaintance AF7EF, Dave Wells N7AM, Jay Huff KB7PUN, Curt Laumann K7ZOO, Dakota & Caylun Quaintance. A special thanks to Rob's wife Marie, who supplied an excellent dinner of sweet/spicy chicken wings and legs, coleslaw salad, chips, alongside drinks supplied by EAARS. And thanks to Dakota as well, for tirelessly assisting in all aspects of assembly and taking down the equipment.

When he wasn't busy setting up equipment or helping others, Dan was tireless on SSB, using the moxon to reach to both the east coast and Hawaii. He was on the air promptly at 4 am Sunday morning to get on 80 meters prior to sunrise. Curt ran CW all weekend, and used the Reverse Beacon Network (RBN) to determine 15 meters was open later Sunday morning. Both Dave and Curt quickly jumped into

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New EAARS Members!

☆
welcome

totally
awesome

N9AGT Roy
KI7PTY George

Winner of the Membership Dues Drawing is . . .
Drum roll please.....



Mike Wixom W7XOM from Gilbert, AZ!
Congratulations, W7XOM!

All current officers have been retained for another term!
Congrats to you all! Keep doing an awesome job!

2 Meter SSB Net **144.210 USB**

If you have access to an All Mode 2 meter radio, you are invited to join us every Thursday evening at 7pm for the Thursday Evening 2 Meter SSB net. This net meets every Thursday evening on 144.210 USB. The net is conducted from the Tucson area, but we have received checkins from all over Arizona. As a rule of thumb, most of us use horizontal YAGI's, but locals should be heard without any issue on vertical antennas.

This is one of Tucson's longest 2 Meter SSB Nets. We look forward to your check in. This net is not affiliated with any club. Just a bunch of us that have "All Mode" 2 meter radios.

Looking forward to hearing you.
Chris - N7JND

ARRL Board of Directors Issues Statement on Amateur Radio Parity Act

ARRL - 01/24/2019

At its annual meeting January 18 – 19, the ARRL Board of Directors decided that the organization needs to “review, re-examine, and reappraise ARRL’s regulatory and legislative policy with regard to private land use restrictions.”



In order to effectively undertake such a review, the Board adopted a resolution to withdraw its December 18 Petition for Rule Making to the FCC, which sought to amend the Part 97 Amateur Service rules to incorporate the provisions of the Amateur Radio Parity Act (ARPA), without prejudice to refile. The resolution also is asking members of Congress who had refiled legislation to enact the Amateur Radio Parity Act (ARPA) to refrain from seeking to advance that legislation pending further input from the ARRL.

Board members noted that the ARRL has been pursuing adoption of the ARPA for the past several years, and that objective has not yet been achieved. While everyone understands that getting Congressional approval on any matter can be a lengthy process, the difficulties getting the ARPA approved have been a source of frustration to the organization and its members. A majority of the Board now believes that there is a need to reassess the organization’s approach to this issue.

The Board wants to make clear to its members, and to those whose policies and conduct prevent or impair the right of US Amateur Radio operators to operate from their homes, that this pause is not, and should not be interpreted as an abandonment of its efforts to obtain relief from private land-use restrictions. The Board noted that its intent is “to renew, continue and strengthen the ARRL’s effort to achieve relief from such restrictions.” This action represents a chance to get the best product possible for all US Amateur Radio operators.

The Board expressed its sincere appreciation to the thousands of ARRL members who took the time to contact their representatives in Congress to urge them to support the Amateur Radio Parity Act. The Board also offered its thanks to those members of Congress who have consistently and continuously supported the rights of US Amateur Radio operators.

EAARS Winter Field Day 2019

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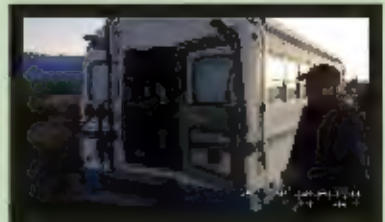
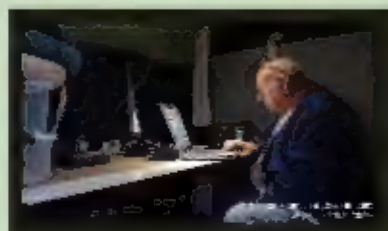
gear on PSK-31 and CW, respectively, and made contacts within minutes during that brief opening on 15 meters. Both Jay and Rob assisted on SSB and PSK-31, making numerous contacts possible.

Our team's focus paid off: Contacts were made on EVERY HF band allowed by the contest except for 10 meters. An estimated total score of 11,000+ points for (contacts x multipliers) that were made over the 24-hour period. 6,000 bonus points were captured for: emergency power, outdoor location, away from home, and a satellite contact. Our estimated score is approximately 17,000+. Looking at last year's results (10133), this is quite an improvement! We hope this score will place as one of higher scores in Arizona.

Field Day is a great opportunity to try out new equipment and operating techniques. This was Jay's first exposure to operating HF gear, and it solidified Jay's interest in upgrading to his General license. Jay also made our only 2-meter FM simplex contact along with a 70-cm contact to increase our multipliers by 2. Also a first: Curt, Dan, and Rob collaborated to both hear CW echoes from a satellite, and our first FM satellite contact! We practiced and improved our ability to track satellites across the sky, as well as rotating the yagi antenna to match the satellites always-changing polarization.

A new location for EAARS Field Day was examined by the team, just a few miles west of the location used for WFD '19. (Exact location: 32 deg 55.5 min, -109 deg 56.8 min). This area is accessible by passenger car, has considerable space for RV parking, and is also high on a mesa. The land is owned by the BLM and leased for cattle grazing. The only concern raised was a water tank for cattle - we would want to ensure our Field Day activities do not impact the herd.

With good operating equipment, propagation conditions, great company & food, it was a very successful weekend of playing radiol!



WN7BSA Winter Field Day

Respectfully submitted by Joe K3TYE/WN7BSA.

WN7BSA was again active and on the air the weekend of January 25th and 26th with the Winter Field Day event. Seven seasoned amateur operators as well as 13 Boy Scouts from Troop 157 spent the weekend at Camp Lawton, just below the TV towers on Mount Bigelow. The chief operators for the group were W0PZD Dick, N7NBV Ken, and KD7UUM David. Other operator present as observers and learners were K7NSW Richard, KG7RHH Sean, and KG7RD Paul. Sean and Paul are Scout Dads.

WN7BSA operated mostly on 20- and 40-meters with some digital operations on 80-meters. Some of the Scouts also made field day contacts on 2-meter simplex. Our field day classification was 41 standing for "four-stations/indoors" INDOORS??? Yes, we were indoors in comfortably heated cabins. Our food was provided and cooked by the Troop 157 scouts. Scrambled eggs and ham for breakfast, sloppy joes for lunch, and spaghetti for dinner. And oh the chocolate chip cookies made by one of the scout mothers.

The scout activity seemed to be even more fun than our amateur radio activity. The mountain still had a pretty good coating of granular snow and ice in the shady areas and some of the scouts brought up sleighs and other sliding devices. By the end of the day on Saturday, those boys were really tired after being out all day testing every hill in the area.

But wait, there's more. After dinner and clean-up, the scouts were treated to an evening movie, the original "Journey To The Center Of The Earth" with Pat Boone, Peter Lore, and James Mason".



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WN7BSA Winter Field Day

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This is the first year that many of the operators ever participated in portable or field day type operations, so it was a learning exercise for the group. Lessons learned . . . we used simple multi-band antennas. We could have done better with plain ordinary dipoles. Some of the transceivers were brand new to the operators so we had a learning curve to overcome. For the next time, we need to bring some kind of antenna launcher to get the copper up higher.

We did use the EAARS system twice for non-emergency communications to home. Once to have a parent bring up more plastic sleds and once to inform a Mom of our camp departure time. Cell phone service is almost zero in Camp Lawton.

So what do we do to make it better for next year? First, add more chocolate chip cookies, then work on better antennas. The accommodations and the ambiance couldn't be beat.

Respectfully submitted
by Joe K3TYE/WN7BSA.



Emergency Traffic Protocol

As a Ham Radio Operator, the last thing we ever want to hear, is someone breaking in with "Emergency Traffic". But on the other hand, that is the MAIN purpose of being a Ham Radio Operator which is to handle Emergency Traffic.

What is Emergency Traffic? I think Wikipedia describes it best... An Emergency is a situation that poses an immediate risk to health, life, property, or environment. Most emergencies require urgent intervention to prevent a worsening of the situation.

Emergency Traffic is not limited to just Ham frequencies. It can be called on FRS, GMRS, CB and all other radio frequencies. It can also be called for by someone pounding on your door yelling HELP ME!!!. Regardless of how it's summoned, it's our duty to help any one in need of emergency traffic.

How do we handle Emergency Traffic on the EAARS system and for that matter, any radio frequency? As stated in an article posted about the EAARS courtesy beep, chances are, if someone is going to break in with emergency traffic on the EAARS system, it's going to happen between the time the person talking un-keys their microphone and the courtesy beep happens. It's BAD radio practice to ever key up between the time someone unkeys and the courtesy beep. Yes, we all like to use the word COMMENT or BREAK just to join in on a conversation, but please keep in mind, it's that space which is reserved for Emergency Traffic and if you are trying to COMMENT, you may be covering someones emergency call.

Another good radio practice, is to keep your transmissions as short as possible. Those who are really long winded or just want to test the EAARS timeout timer to see if it's really 3 minutes, could be covering someone trying to break in and 3 minutes is a long time to wait for someone to unkey if you urgently need to break in with an emergency. Something to keep in mind.

A couple of weeks ago during the EAARS Sunday Night Net, a station broke in with the words EMERGENCY. The NCS quickly stopped the net and asked the breaking station to state their emergency. The emergency traffic turned out to be that everyone needed to go outside and check out the cool moon. The NCS promptly EDUCATED the breaking station and we moved on with the net.

When we hear the word EMERGENCY, all radio traffic must STOP and the stations communicating, must handle the traffic to the best of their ability.

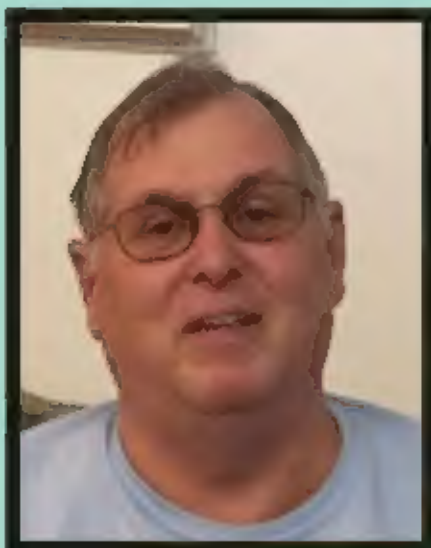
Let's hope we never hear a station breaking in with emergency traffic, but also be ready if it does happen. Reserve that space just before the courtesy beep, just for that. Let's keep Good Radio Practice in mind!

Other Club Stuff

RST holds FREE VE testing on the following dates, 7:00 pm at Hardesty Mid-Town Police Building, 1100 S Alvernon, Tucson.

14-Jan-2019
11-Feb-2019
11-Mar-2019
08-Apr-2019
13-May-2019
10-Jun-2019
08-Jul-2019
12-Aug-2019
09-Sep-2019
14-Oct-2019
11-Nov-2019
09-Dec-2019

 **RST** Radio Society of Tucson www.rsttucson.org
FREE Ham Radio Operator Class
Join the FUN and TALK to the WORLD
Free Classes, begin Sunday, Feb. 24th
For Technician Class (entry level)
Ham Radio Operator License
6 Weekly Classes begin Sun., Feb. 24, 2019
8:00 PM at Tucson Hardesty Police Station,
1100 S. Alvernon Way, Tucson
Email Ken at kg7khy@gmail.com
Books cost about \$25 each on Amazon



Larry Brown W7LB became a SK-silent key last night. Larry was a member of the Southern Arizona DX Association, Radio Society of Tucson and the Catalina Radio Club. Larry was very involved with AMSAT and Astronomy. He will be missed.

Updates RST Days in the Park > AC7YC Bill Wilson, KD1UIZ Don Emila

Upcoming Days in The Park Events

| | |
|--------------|---|
| Jan 12, 2019 | Gene C. Reid Park 900 S. Randolph Way 10 AM to 2 PM Talk in on 146.520 FM |
| Feb 16, 2019 | John F. Kennedy Park 3700 S. Mission Road 10 AM to 2 PM Talk in on 146.520 FM |
| Mar 16 2019 | Jacobs Park 3300 N. Fairway Avenue 10 AM to 2 PM Talk in on 146.520 FM |
| Apr 27 2019 | Christopher Columbus Park 4300 N. Silverbell Road Ramada #2 10 AM to 2 PM Talk in on 146.520 FM |
| May 16 2019 | Gene C. Reid Park 900 S. Randolph Way 10 AM to 2 PM Talk in on 146.520 FM |
| June 15 2019 | Morris K. Udall Park 7200 E. Tanque Verde Road 10 AM to 2 PM Talk in on 146.520 FM |
| Jul 12 2019 | AMPHI Neighborhood Park 510 E. Navajo Road 10 AM to 2 PM Talk in on 146.520 FM |
| Aug 17 2019 | Jacobs Park 3300 N. Fairway Avenue 10 AM to 2 PM Talk in on 146.520 FM |
| Sept 14 2019 | Morris K. Udall Park 7200 E. Tanque Verde Road 10 AM to 2 PM Talk in on 146.520 FM |
| Oct 12 2019 | AMPHI Neighborhood Park 510 E. Navajo Road 10 AM to 2 PM Talk in on 146.520 FM |

Cooking up Some Magic



Chicken Mug Pie

Ingredients

1 tube jumbo bake-off butter biscuits, from the dairy aisle of market (recommended: Grands by Pillsbury)

Sweet paprika, for sprinkling

1 1/2 pounds chicken breast pieces, diced

3 tablespoons butter

2 ribs celery and greens from the heart, chopped

1 medium yellow onion, chopped

1 large carrot, peeled and diced

Salt and pepper

2 teaspoons poultry seasoning

3 tablespoons all-purpose flour

1 cup shredded potatoes, ready to cook hash browns, available in sacks on dairy aisle

1 pint half-and-half or cream

1 quart chicken stock, available in boxes on soup aisle

1/4 teaspoon grated nutmeg, a healthy grating

1 cup frozen green peas



Directions

1. Preheat oven according to package directions and arrange biscuits on cookie sheet. You will have 4 extra biscuits. Save them for ham and cheese or egg and cheese breakfast sandwiches the next morning. Sprinkle biscuits with a little paprika and bake for 10 to 12 minutes.

2. In a medium pot over medium to medium high heat, cook chicken in butter 2 minutes then add veggies and season with salt and pepper and poultry seasoning. Cook 5 minutes more, add flour cook another minute. Add potatoes, then whisk in half-and-half or cream and chicken stock. Add nutmeg. Bring soup to a boil by raising heat, then turn heat back to simmer and cook soup another 10 minutes. Adjust seasonings. Add peas. Stir in to warm them through a minute.

3. Serve mugs of soup with biscuits on top to cap the mug: chicken mug pies!

